Datasheet: AHP1011

**Product Details**

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_2276520</th>
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</table>

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Technique</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (1)</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>0.5 - 1.0ug/ml</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Antiserum Preparation**

Antisera to Clusterin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.02% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml
**Immunogen**
Recombinant human clusterin isoform 1.

**External Database Links**
- **UniProt:** P10909
- **Related reagents**
- **Entrez Gene:** 1191 CLU

**Synonyms**
APOJ, CLI, KUB1

**Specificity**
Rabbit anti Human clusterin antibody recognizes human clusterin, also known as apolipoprotein J, Ku70-binding protein 1 or TRPM-2. Clusterin is a ubiquitous glycoprotein which exists in at least two distinct isoforms; a proapoptotic nuclear form, of ~49 kDa, and a prosurvival secretory form with a molecular mass of 75-80 kDa. Clusterin is implicated in several diverse physiological processes including sperm maturation, cell differentiation, and apoptosis.

Clusterin upregulation has been reported in various human malignancies, including bladder, prostate, and breast tumours.

Following specific stress induced injury, secretory clusterin acts as a molecular chaperone, scavenging denatured proteins outside cells. Clusterin upregulated in Alzheimer's disease (Miners et al. 2017), retinitis pigmentosa (Jomary et al. 1993), glomerulonephritis, atherosclerosis and myocardial infarction (Rosenberg et al. 2002).

**Western Blotting**
AHP1011 detects a band of approximately 60kDa in human brain tissue lysate.

**Further Reading**

**Storage**
Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**
18 months from date of despatch.

**Health And Safety Information**

**Regulatory**
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**
Sheep Anti Rabbit IgG (STAR34...) **FITC**
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE
Sheep Anti Rabbit IgG (2AB02...) Biotin
Sheep Anti Rabbit IgG (STAR36...) DyLight®488, DyLight®680, DyLight®800

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)
TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)